

What is claimed is:

- Sub A1*
1. A plastic bucket comprising, in combination:
- an upright, annular bucket wall terminating in an annular lip to form an open bucket mouth, said annular lip comprising a single annular wall portion extending upwardly from said bucket wall radially inwardly along a diagonal path to an upper end,
- said annular lip further extending from said upper end in an upright vertical direction generally parallel to the bucket wall to form a first vertical wall section having a radius over the range of the thickness thereof less than the radius of said bucket wall over the range of the thickness thereof, said annular lip also consisting comprising a vertical rim generally parallel to said first vertical wall section and having an inside and an outside,
- the inside having radius less than the radius of said annular bucket wall and greater than the radius of said vertical wall section; and a single, generally horizontal connection ledge extending from the first vertical wall section between and connecting the first vertical wall section and the vertical rim.
2. A plastic bucket as defined in claim 1 where no external ribs or rings are formed on said annular lip in the area of said undercut.
3. A plastic bucket as defined in claim 1 where no internal ribs are formed on said annular lip in the area of said undercut.
4. A plastic bucket as defined in claim 1 where the angle between said diagonal path and the vertical direction does not exceed approximately 45 degrees.

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5. A plastic bucket as defined in claim 1 where no external or internal ribs or rings are formed on said annular lip in the area of said undercut.

6. A plastic bucket as defined in claim 1 where said first vertical wall section has a height which is less than the width of said horizontal connection ledge and is less than the length of said diagonal path.

7. A plastic bucket as defined in claim 1 where said horizontal connection ledge has a width which exceeds one-half of the distance between the bucket wall and the horizontal connection ledge.

8. A plastic bucket as defined in claim 1 where the magnitude of radially inward extent of said annular wall portion is controlled to permit said bucket to be molded without the use of a collapsible mold core.

9. The combination of claim 1 wherein said horizontal wall projects radially beyond said vertical rim.